Overview

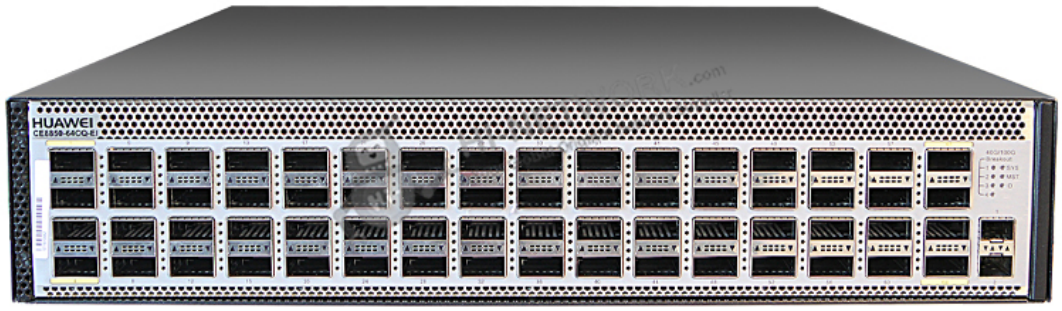
A series of high port density switches, CloudEngine 8800 brings a combination of both high performance and low latency to cloud-oriented data center networks and high-end campus networks alike. Additionally, the series supports an extensive range of data center features, Software-Defined Networking (SDN) capabilities, and high performance stacking technologies. With 10, 25, 40, 100, 200, and 400 GE ports, as well as flexible plug-in cards, CloudEngine 8800 is well suited for both the core and aggregation layers. The series is also compatible with CloudEngine 16800, 12800, 6800, and 5800 series switches, helping enterprises build networks that are scalable, simplified, open — and secure.

Quick Specification

Table 1 shows the quick specification.

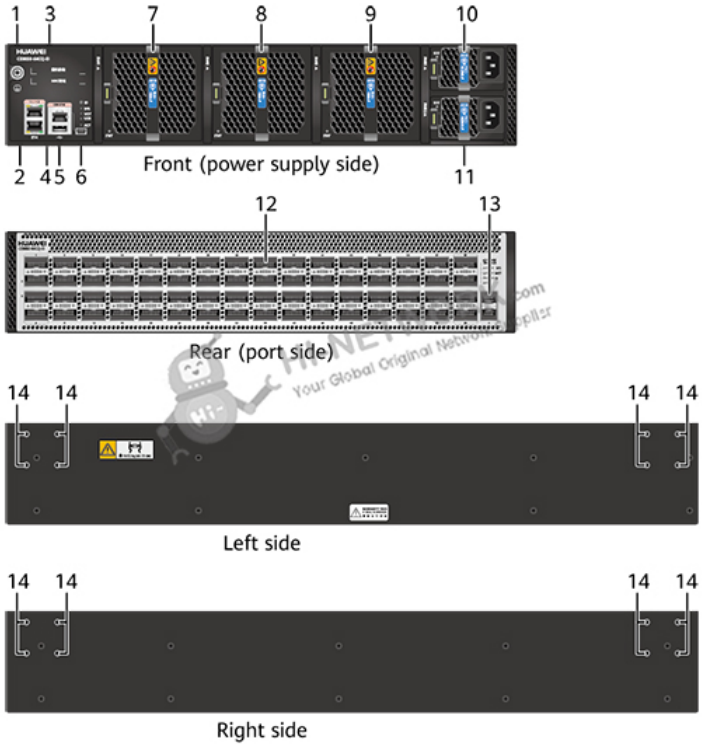
Model	CE8850-EI-F-B0B
Part Number	02351RFJ, 02351RFJ-001, 02351RFJ-004
Description	CE8850-64CQ-EI Switch (64-Port 100GE QSFP28, 2-Port 10GE SFP+, 2*AC Power Module, 3*FAN Box, Port-side Exhaust)
Dimensions (H x W x D)	88.1 mm x 442 mm x 600 mm (3.47 in. x 17.40 in. x 23.62 in.)
Weight	16.9 kg (37.26 lb)
Maximum power consumption	965 W
Maximum heat dissipation	3293 BTU/hour

Figure 1 shows the appearance of CE8850-EI-F-B0B.



Product Details

Figure 2 shows the structure of CE8850-EI-F-B0B.



Note:

(1)	Ground screw	(8)	Fan slot 2
(2)	Two ETH management ports (RJ45)	(9)	Fan slot 3
(3)	ESN and MAC address label	(10)	Power supply slot 1
(4)	Console port	(11)	Power supply slot 2
(5)	USB port	(12)	Sixty-four 40GE/100GE QSFP28 Ethernet optical ports
(6)	Mini USB port	(13)	Two 10GE SFP+ Ethernet optical ports
(7)	Fan slot 1	(14)	Mounting holes for mounting brackets

Get More Information

Do you have any question about the CE8850-EI-F-B0B (02351RFJ, 02351RFJ-001, 02351RFJ-004)?

Contact us now via info@hi-network.com.

Specification

CE8850-EI-F-B0B Datasheet	
Model	CE8850-EI-F-B0B
Part Number	02351RFJ, 02351RFJ-001, 02351RFJ-004
Description	CE8850-64CQ-EI Switch (64-Port 100GE QSFP28, 2-Port 10GE SFP+, 2*AC Power Module, 3*FAN Box, Port-side Exhaust)
Dimensions without packaging (H x W x D) [mm (in.)]	88.1 mm x 442 mm x 600 mm (3.47 in. x 17.40 in. x 23.62 in.)
Weight without packaging [kg (lb)]	16.9 kg (37.26 lb)
Weight without packaging (full configuration) [kg (lb)]	22.2 kg (48.94 lb) (with two power modules and three fan modules, calculated based on the heaviest model if multiple models are supported)
Chassis height [U]	2
Installation Type	Cabinet Installation
Switching capacity	To obtain data of this specification item, see the corresponding datasheet or contact the product sales personnel.
CPU	8-core, 1.5 GHz
Memory	DRAM: 4 GB
NOR Flash	32MB
NAND Flash	2 GB
USB	Supported
Power supply mode	AC pluggable
Console port	RJ45
Downlink Service interface	64*40GE/100GE QSFP28 Ethernet optical ports (Note: A QSFP28 Ethernet optical port can be split into four 10GE or 25GE ports. In V200R020C10 and later versions, a 100GE port can be split into two 50GE ports. This function is available only to QSFP28-100G-SR4 optical modules.)
Uplink Service interface	2 x 10GE SFP+ Ethernet optical port (Note: These ports are unavailable currently and are reserved for future function expansion.)
Service port supporting the stack function	100GE optical port
RTC	Supported
Typical power consumption [W]	375 W (100% throughput, QSFP28 cables on 64 ports, double power modules)
Typical heat dissipation [BTU/hour]	1280 BTU/hour (100% throughput, QSFP28 cables on 64 ports, double power modules)
Static power consumption [W]	303 W
Static heat dissipation [BTU/hour]	1034 BTU/hour
Maximum power consumption [W]	965 W

Maximum heat dissipation [BTU/hour]	3293 BTU/hour
Number of power modules	2
Redundant power supply	1+1 backup
Rated input voltage [V]	Rated AC input voltage range: 100 V AC to 130 V AC/200 V AC to 240 V AC, 50/60 Hz Rated DC input voltage range: –48 V DC to –60 V DC Rated voltage of 240 V high-voltage DC power input: 240 V DC Rated voltage range of 380 V high-voltage DC power input: 240 V DC to 380 V DC
Input voltage range [V]	Maximum AC input voltage range: 90 V AC to 290 V AC, 47 Hz to 63 Hz Maximum DC input voltage range: –38.4 V DC to –72 V DC Maximum voltage range of 240 V high-voltage DC power input: 188 V DC to 290 V DC Maximum voltage range of 380 V high-voltage DC power input: 188 V DC to 400 V DC
Maximum input current [A]	1200 W AC power module: 200 V to 240 V, 8 A; 100 V to 130 V, 10 A (The power consumption of the power module can be 800 W at low voltage.) 1200 W 240 V DC power module: 240 V, 8 A 1200 W 380 V DC power module: 240 V to 380 V, 8 A 1200 W –48 V power module: –48 V to –60 V, 38 A
Rated output power [W]	- 1200 W AC&240 V DC power module: 1200 W - 1200 W DC power module: 1200 W - 1200 W high-voltage DC power module: 1200 W
Maximum output power [W]	AC&240 V DC: 1200 W -48 V DC: 1200 W 380 V DC: 1200 W
Certification	- Compliance with safety standards - Compliance with EMC standards - Compliance with environment and environmental protection standards
Power supply surge protection [kV]	Power supply protection: AC: 4 kV in common mode and 2.5 kV in differential mode DC: 4 kV in common mode and 2 kV in differential mode
Types of fans	Pluggable
Number of fan modules	3
Redundant fans	The device supports 2+1 backup of fan modules that work in hot standby mode. The system can operate normally for a short time after a single fan module fails. You are advised to replace the faulty fan module immediately.
Heat dissipation mode	Air cooling
Airflow direction	Front-to-back or back-to-front airflow, depending on the selected fan modules and power modules
Availability	0.999997043
MTBF [year]	44.34 years
MTTR [hour]	1.68 hours
Noise at normal temperature (27°C, sound pressure) [dB(A)]	Back-to-front airflow: < 64 dB(A) Front-to-back airflow: < 64 dB(A)
Noise at high temperature (40°C,	Front-to-back airflow: 78 dBA on average (maximum: 84 dBA)

sound pressure) [dB(A)]	Back-to-front airflow: 80 dBA on average (maximum: 85 dBA)
Long-term operating altitude [m (ft.)]	< 5000 m (16404 ft.)
Long-term operating relative humidity [RH]	5% RH to 95% RH, non-condensing
Long-term operating temperature [°C (°F)]	0°C to 40°C (32°F to 104°F) at an altitude of 0–1800 m (0–5906 ft.) Note: When the altitude is 1800–5000 m (5096–16404 ft.), the highest operating temperature reduces by 1°C (1.8°F) every time the altitude increases by 220 m (722 ft.).
Storage altitude [m (ft.)]	< 5000 m (16404 ft.)
Storage relative humidity [RH]	5% to 95% RH, non-condensing
Storage temperature [°C (°F)]	-40ºC to +70ºC (-40°F to +158°F)

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HongKong Office Tel: +00852-66181601
HangZhou Office Tel: +0086-571-86729517
Email: info@hi-network.com
Skype: echo.hinetwork
WhatsApp Business: +8618057156223